



GALVANIZED STEEL MARKER POSTS MGS-92-02C

1.0 SCOPE. This specification covers the requirements for channel or modified channel light, medium, and heavy galvanized steel marker posts.

2.0 MATERIAL.

2.1 Steel. The posts shall be re-rolled rail steel or an equivalent steel conforming to the mechanical requirements of ASTM A 499, Grade 60 and to the chemical requirements of ASTM A 1.

2.2 Coating. The posts shall be galvanized after fabrication in accordance with the requirements of AASHTO M 111. The weight of zinc coating shall average not less than two (2) ounces per square foot of the surface coated, and no individual specimen shall show less than 1.8 ounces per square foot.

2.3 Dimensions.

2.3.1 Length. The posts shall be of the length specified in the bid request with a tolerance in length of minus one inch and plus two inches.

2.3.2 Weight Per Foot. The weight per foot before punching shall comply with the following:

	Pounds Per Foot
Heavy Post	2.60 ± .20
Medium Post	2.03 ± .23
Light Posts	1.30 ± .20

2.3.3 Cross Section Dimensions. The cross-section dimensions shall comply with the details shown on Drawing "A" of this specification.

2.3.4 Hole Punching. All holes shall be 3/8" in diameter, spaced along the center line of the web.

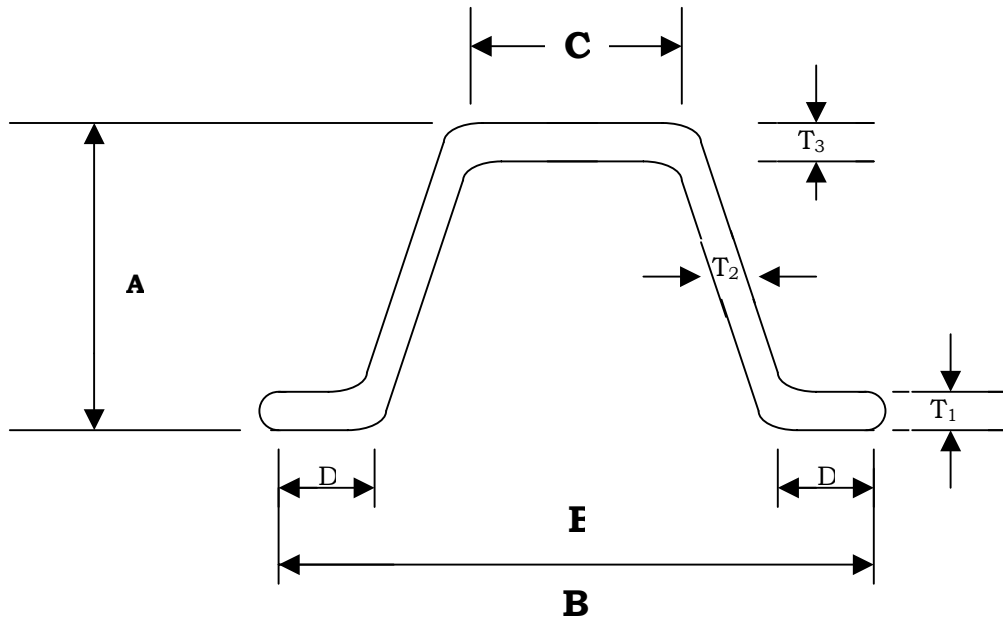
2.3.4.1 Light posts shall have 30 holes, one inch center to center, beginning one inch from the end of the post.

2.3.4.2 Medium and heavy posts shall have holes of one inch center to center for the entire length of the post, beginning one inch from the end of the post.

3.0 CERTIFICATION. The fabricator shall furnish to the engineer at destination a certification stating that the posts furnished comply with all requirements of this specification. The certification shall include or have attached specific results of tests of the mechanical and chemical properties of the steel conforming to Section 2.1 of this specification. A certification shall be furnished for each shipment.

4.0 INSPECTION. The material will be inspected at the source or at destination as determined by the engineer.

5.0 ACCEPTANCE. Acceptance of posts furnished under this specification will be based on an acceptable certification and on inspection by the engineer.



DRAWING 'A'

CHANNEL OR MODIFIED CHANNEL STEEL MARKER POST
 Dimensions (inches)*

A	B	C	D	T ₁	T ₂	T ₃
<u>HEAVY</u>				<u>POST</u>		
1-1/4 TO 1-5/8	2-1/2 TO 3-1/4	1 TO 1-3/8	1/2 TO 3/4	5/32 TO 7/32	3/32 TO 7/32	5/32 TO 7/32
<u>MEDIUM</u>				<u>POST</u>		
1-1/4 TO 1-5/8	2-1/2 TO 3-1/4	3-1/32 TO 1-3/8	15/32 TO 23/32	7/64 TO 11/64	7/64 TO 11/64	7/64 TO 11/64
<u>LIGHT</u>				<u>POST</u>		
7/8 TO 1-1/4	1-15/16 TO 2-3/16	5/8 TO 1	3/8 TO 5/8	3/32 TO 5/32	3/32 TO 5/32	3/32 TO 5/32

*Tolerances shown hereon are absolute. No further dimensional tolerances will be acceptable.